

Listing of Claims

The following listing of claims is intended to supersede all previously filed listings of claims. Changes are shown with deletions in ~~strike through~~ and additions underlined. Kindly enter the following amendments to the claims:

Claim 1 (Currently Amended). A conveyor system comprising:

a link assembly , said link assembly comprising:

~~a first pin (18);~~

a first link block ~~(11)~~ carrying having a ~~the~~ first pin ~~[(18)]~~ at one end thereof;

said first link block having a second pin at another end thereof, said second pin being parallel to said first pin;

a first offset bushing ~~(17)~~ on the coupled to the first pin ~~(18)~~; and

a second link block ~~(11)~~ carrying coupled to the first offset bushing ~~[(17)]~~, the second link block ~~[(11)]~~ movable with respect to the first link block ~~[(11)]~~ upon rotation of the first offset bushing ~~[(17)]~~ with respect to the second link block ~~(11)~~.

Claim 2 (Currently Amended). The system as claimed in claim 1 further comprising:

a plurality of pins ~~[(18)]~~;

a plurality of offset bushings ~~[(17)]~~ on coupled to the plurality of pins ~~(18)~~;

a plurality of link blocks ~~[(11)]~~, each ~~carrying an~~ coupled to one of said offset bushings ~~[(17)]~~ at one end and carrying coupled to one of said pins ~~a pin (18)~~ ~~at the other~~ another end;

the first link block ~~[(11)]~~ connected to one of the plurality of link blocks ~~[(11)]~~ by carrying one of the first pin, the second pin, and the plurality of pins ~~[(18)]~~;

the second link block ~~[(11)]~~ connected to one of the plurality of link blocks ~~[(11)]~~ by

~~carrying the one of the plurality of the first pin, the second pin, and the plurality of offset~~
bushings [(17)] to form at least one of a two dimensional curve chain assembly, a three dimensional curve chain assembly, and a combination thereof, said one ~~of the plurality of the~~
plurality of offset bushings allowing tensioning control of the conveyor system.

Claim 3 (Currently Amended). The system as claimed in claim 2 wherein:

the first offset bushing [(17)] has a conical surface provided therein; and

the first pin [(18)] has a conical surface provided thereon for engaging with the conical surface to move the first link block [(11)] relative to the second link block ~~(14)~~.

Claim 4 (Currently Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing [(25)] ~~on~~ coupled to the first pin ~~(18)~~; and

the first offset bushing [(17)] having a spherical opening associated therewith for ~~carrying~~ coupling to the spherical ball bushing [(25)] for multi-directional movement of the first link block ~~(14)~~ relative to the second link block [(11)].

Claim 5 (Currently Amended). The system as claimed in claim 1 further comprising:

bushings ~~(19,20)~~ in the second link block [(11)] for supporting the first pin ~~(18)~~;

a spherical ball bushing [(25)] ~~on~~ coupled to the first pin [(18)];

and

the first offset bushing [(24)] having a spherical opening provided therein for ~~carrying~~ coupling to the spherical ball bushing [(25)] for multi-directional movement of the first link block [(11)] relative to the second link block [(11)].

Claim 6 (Currently Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing [(25)] ~~on~~ coupled to the first pin (18); and
the first offset bushing [(24)] having a spherical opening provided therein, the first offset bushing [(24)] not requiring ~~no~~ lubrication for movement of the spherical ball bushing [(25)] or for movement ~~in~~ with respect to the second link block [(11)].

Claim 7 (Currently Amended). The system is claimed in claim 1 further comprising:

a guide wheel [(10)] ~~on~~ associated with the first pin (18) and
a raceway [(6)] for guiding the guide wheel [(10)] in movement of at least two dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 8 (Currently Amended). The system as claimed in claim 1 further comprising:

a slat [(4)]; and
connectors for connecting the slat (4) to the first link block [(11)] in a fixed position relative thereto.

Claim 9 (Currently Amended). The system as claimed in claim 1 further comprising:

a slat [(4)];
a slat support member [(3)] having a wheel (8) ~~provided thereon~~;
connectors for connecting the slat [(4)] to the slat support member [(3)] and to the first link block [(11)]; and
a raceway [(6)] for guiding the wheel (8) ~~in~~ movement in one of at least two dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 10 (Previously Presented). The system as claimed in claim 1 further comprising:

a slat [(4)];